

ATTORNEY DOCKET NO. 9510-11

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "TRANS-THERMOELECTRIC DEVICE," the specification of which

is attached hereto

OR

was filed on November 25, 2003 as United States Application No. _____ or PCT International Application Number PCT/US2003/037633 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/428,753	11/25/2002
Application Number(s)	Filing Date (MM/DD/YYYY)
Application Number(s)	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America, listed below.

PCT/US2003/037633	11/25/2003	patented
Application No.	Filing Date	Status Patented/Pending/Abandoned
Application No.	Filing Date	Status Patented/Pending/Abandoned
Application No.	Filing Date	Status Patented/Pending/Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. I also appoint the following registered attorney(s) to represent me before all competent International Authorities in connection with any and all international applications filed by me with an appropriate receiving office claiming priority to the U.S. application. I also appoint the following registered attorney(s) to make or receive payment on my behalf in connection with the filing of such international applications.

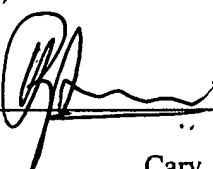
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(919) 854-1400

Facsimile: **(919) 854-1401**

1 - 00
Full name of (first) inventor: **Rama Venkatasubramanian**

Inventor's
Signature:  Date: **7/8/05**

Residence: **Cary, North Carolina** 

Citizenship: **the United States of America**

Mailing Address: **104 Old Rockhampton Lane**
Cary, North Carolina 27516

2-00

Full name of (second) inventor: Kip D. Coonley

Inventor's

Signature: Kip D. Coonley Date: 07/01/08

Residence:

Durham, North Carolina NC

Citizenship:

the United States of America

Mailing Address:

827 Burch Avenue
Durham, North Carolina 27701

3-00

Full name of (third) inventor: Edward P. Siivola

Inventor's
Signature: Edward P. Siivola Date: 6-14-65

Residence: Raleigh, North Carolina NC

Citizenship: the United States of America

Mailing Address: 5169 Shield Circle
Raleigh, North Carolina 27603

4-0

Full name of (fourth) inventor: Michael Puchan

Inventor's

Signature: Michael S. Puchan Date: 6/29/05

Residence: Clayton, North Carolina NC

Citizenship: the United States of America

Mailing Address: 205 Cobblestone Court
Clayton, North Carolina 27520

5-00

Full name of (fifth) inventor: Randall G. Alley

Inventor's
Signature: Randall G. Alley Date: 6/15/05

Residence: Raleigh, North Carolina NC

Citizenship: the United States of America

Mailing Address: 2817 Claremont Road
Raleigh, North Carolina 27608

6-0

Full name of (sixth) inventor: Pratima Addepalli

Inventor's

Signature: Pratima Addepalli Date: 7/8/05

Residence: Cary, North Carolina NC

Citizenship: INDIA

Mailing Address: 524 Woodway Bluff Circle
Cary, North Carolina 27513

7-20 Full name of (seventh) inventor: Brooks C. O'Quinn

Inventor's
Signature: Brooks C. O'Quinn Date: 6-29-05

Residence: Mamers, North Carolina NC

Citizenship: the United States of America

Mailing Address: P.O. Box 618
Mamers, North Carolina 27552

8-00

Full name of (eighth) inventor: Thomas Colpitts

Inventor's

Signature: Thomas Colpitts Date: 06-22-2005

Residence:

Durham, North Carolina NC

Citizenship:

the United States of America

Mailing Address:

2917 Scuppernong Lane
Durham, North Carolina 27703

Full name of (ninth) inventor: Mary Napier

Inventor's

Signature:

Mary E. Napier Date: 6/17/05

Residence:

Carroboro, North Carolina

NC

Citizenship:

the United States of America

Mailing Address:

106 Woods Walk Court
Carroboro, North Carolina 27150



Attorney Docket No.: 9510-11

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Rama Venkatasubramanian, *et al.*;
U.S. App.Ser. No.: not yet assigned
International App.No.: PCT/US2003/037633
Filed: November 25, 2003
For: TRANS-THERMOELECTRIC DEVICE

Commissioner for Patents
Washington, DC 20231

**VERIFIED STATEMENT OF FACTS
UNDER 37 C.F.R. § 1.48 AND/OR § 1.497(d)**

Sir:

Pursuant to 37 C.F.R. § 1.48(a) and/or § 1.497(d), Mary Napier of 106 Woods Walk Court, Carrboro, NC, declares that:

1. As a joint-unnamed inventor, I had responsibility for development of TRANS-THERMOELECTRIC DEVICE.
2. The joint-named inventors, Rama Venkatasubramanian, Kip Coonley, Edward Siivola, Michael Puchan, Randall Alley, Pratima Addepalli, Brooks O'Quinn, and/or Thomas Colpitts, and I had at various times developed various aspects of the present invention claimed in International Application No. PCT/US2003/037633.

To the best of my knowledge, I believe that the invention described and claimed in the above-identified application was developed in part by myself and in part by Rama Venkatasubramanian, Kip Coonley, Edward Siivola, Michael Puchan, Randall Alley, Pratima Addepalli, Brooks O'Quinn, and Thomas Colpitts, and through error without any deceptive intent I was not named as an inventor in the original application.

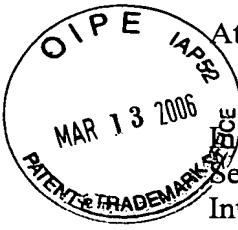
All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or

In re: Rama Venkatasubramanian, *et al.*
U.S. App.Ser. No.:not yet assigned
International App.No. PCT/US2003/037633
Filed:
Page 2

imprisonment, or both, under Section 1001 of the Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patent application or any patent issuing thereon.

Respectfully submitted,

Mary E. Napier
Mary Napier
6/17/05
Date



Attorney Docket No.: 9510-11

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Rama Venkatasubramanian, *et al.*;
Serial No.: not yet assigned
International App.No.: PCT/US2003/037633
Filed: November 25, 2003
For: TRANS-THERMOELECTRIC DEVICE

Commissioner for Patents
Washington, DC 20231

**CONSENT OF ASSIGNEE TO CHANGE
INVENTORSHIP UNDER § 1.48 AND/OR § 1.497**

Siri:

The below-named officer who represents Nextreme Thermal Solutions, Inc., the assignee of the above-identified application, hereby consents to the amendment of the patent application under 37 C.F.R. § 1.48 and/or § 1.497, to add the following joint inventor:

Inventor: Mary Napier
Address: 106 Woods Walk Court
Carrboro, NC 27150

Respectfully submitted,
Nextreme Thermal Solutions, Inc.

Title: Chief Executive Officer

Date _____

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231 on

Envelope addressed to: Office of the Secretary, U.S. Patents, Washington, DC 20231, USA
Joyce Paoli
Joyce Paoli
Date of Signature: 3-9-06